Name:

pa1030: Box multiplication of linear binomials (v1)

Example

Use the box method to multiply $(6x + 3)$ and $(2x + 4)$.

*	6x	3
2x	$12x^2$	6x
4	24x	12

$12x^2 + 6x + 24x + 12$

Combine like terms.

$12x^2 + 30x + 12$

ANSWER: $12x^2 + 30x + 12$

Question 1

Use the box method to multiply $(2x + 5)$ and $(9x + 3)$.

*	2x	5
9x		
3		

ANSWER:

Question 2

Use the box method to multiply $(-6x + 2)$ and $(8x + 9)$.

*	$-6x$	2
$8x$		
9		

ANSWER:

Question 3

Use the box method to multiply $(-2x + 5)$ and $(9x + 8)$.

*		

ANSWER:

Name:

pa1030: Box multiplication of linear binomials (v2)

Example

Use the box method to multiply $(6x + 3)$ and $(2x + 4)$.

*	6x	3
2x	$12x^2$	6x
4	24x	12

$12x^2 + 6x + 24x + 12$

Combine like terms.

$12x^2 + 30x + 12$

ANSWER: $12x^2 + 30x + 12$

Question 1

Use the box method to multiply $(6x + 8)$ and $(7x + 2)$.

*	6x	8
7x		
2		

ANSWER:

Question 2

Use the box method to multiply $(-6x + 2)$ and $(-5x - 9)$.

*	$-6x$	2
$-5x$		
-9		

ANSWER:

Question 3

Use the box method to multiply $(-4x - 7)$ and $(3x - 9)$.

*		

ANSWER:

Name:

pa1030: Box multiplication of linear binomials (v3)

Example

Use the box method to multiply $(6x + 3)$ and $(2x + 4)$.

*	6x	3
2x	$12x^2$	6x
4	24x	12

$12x^2 + 6x + 24x + 12$

Combine like terms.

$12x^2 + 30x + 12$

ANSWER: $12x^2 + 30x + 12$

Question 1

Use the box method to multiply $(6x + 3)$ and $(5x + 7)$.

*	6x	3
5x		
7		

ANSWER:

Question 2

Use the box method to multiply $(-3x + 4)$ and $(5x + 9)$.

*	$-3x$	4
$5x$		
9		

ANSWER:

Question 3

Use the box method to multiply $(9x - 6)$ and $(-3x + 8)$.

*		

ANSWER:

Name:

pa1030: Box multiplication of linear binomials (v4)

Example

Use the box method to multiply $(6x + 3)$ and $(2x + 4)$.

*	6x	3
2x	$12x^2$	6x
4	24x	12

$12x^2 + 6x + 24x + 12$

Combine like terms.

$12x^2 + 30x + 12$

ANSWER: $12x^2 + 30x + 12$

Question 1

Use the box method to multiply $(9x + 4)$ and $(8x + 7)$.

*	9x	4
8x		
7		

ANSWER:

Question 2

Use the box method to multiply $(8x - 5)$ and $(4x + 6)$.

*	8x	−5
4x		
6		

ANSWER:

Question 3

Use the box method to multiply $(7x - 9)$ and $(-3x - 2)$.

*		

ANSWER:

Name:

pa1030: Box multiplication of linear binomials (v5)

Example

Use the box method to multiply $(6x + 3)$ and $(2x + 4)$.

*	6x	3
2x	$12x^2$	6x
4	24x	12

$12x^2 + 6x + 24x + 12$

Combine like terms.

$12x^2 + 30x + 12$

ANSWER: $12x^2 + 30x + 12$

Question 1

Use the box method to multiply $(3x + 4)$ and $(2x + 8)$.

*	3x	4
2x		
8		

ANSWER:

Question 2

Use the box method to multiply $(-2x + 9)$ and $(6x - 4)$.

*	− 2x	9
6x		
− 4		

ANSWER:

Question 3

Use the box method to multiply $(6x - 5)$ and $(-3x + 9)$.

*		

ANSWER:

Name:

pa1030: Box multiplication of linear binomials (v6)

Example

Use the box method to multiply $(6x + 3)$ and $(2x + 4)$.

*	6x	3
2x	$12x^2$	6x
4	24x	12

$12x^2 + 6x + 24x + 12$

Combine like terms.

$12x^2 + 30x + 12$

ANSWER: $12x^2 + 30x + 12$

Question 1

Use the box method to multiply $(6x + 3)$ and $(9x + 5)$.

*	6x	3
9x		
5		

ANSWER:

Question 2

Use the box method to multiply $(4x - 9)$ and $(-6x + 2)$.

*	4x	− 9
− 6x		
2		

ANSWER:

Question 3

Use the box method to multiply $(8x + 3)$ and $(2x - 9)$.

*		

ANSWER:

Name:

pa1030: Box multiplication of linear binomials (v7)

Example

Use the box method to multiply $(6x + 3)$ and $(2x + 4)$.

*	6x	3
2x	$12x^2$	6x
4	24x	12

$12x^2 + 6x + 24x + 12$

Combine like terms.

$12x^2 + 30x + 12$

ANSWER: $12x^2 + 30x + 12$

Question 1

Use the box method to multiply $(3x + 4)$ and $(5x + 9)$.

*	3x	4
5x		
9		

ANSWER:

Question 2

Use the box method to multiply $(8x + 3)$ and $(7x - 4)$.

*	8x	3
7x		
− 4		

ANSWER:

Question 3

Use the box method to multiply $(-9x + 4)$ and $(3x + 5)$.

*		

ANSWER:

Name:

pa1030: Box multiplication of linear binomials (v8)

Example

Use the box method to multiply $(6x + 3)$ and $(2x + 4)$.

*	6x	3
2x	$12x^2$	6x
4	24x	12

$12x^2 + 6x + 24x + 12$

Combine like terms.

$12x^2 + 30x + 12$

ANSWER: $12x^2 + 30x + 12$

Question 1

Use the box method to multiply $(9x + 5)$ and $(3x + 8)$.

*	9x	5
3x		
8		

ANSWER:

Question 2

Use the box method to multiply $(-8x + 3)$ and $(-7x - 2)$.

*	$-8x$	3
$-7x$		
-2		

ANSWER:

Question 3

Use the box method to multiply $(7x + 9)$ and $(5x - 4)$.

*		

ANSWER:

Name:

pa1030: Box multiplication of linear binomials (v9)

Example

Use the box method to multiply $(6x + 3)$ and $(2x + 4)$.

*	6x	3
2x	$12x^2$	6x
4	24x	12

$12x^2 + 6x + 24x + 12$

Combine like terms.

$12x^2 + 30x + 12$

ANSWER: $12x^2 + 30x + 12$

Question 1

Use the box method to multiply $(4x + 6)$ and $(7x + 9)$.

*	4x	6
7x		
9		

ANSWER:

Question 2

Use the box method to multiply $(9x - 4)$ and $(8x + 5)$.

*	9x	−4
8x		
5		

ANSWER:

Question 3

Use the box method to multiply $(6x - 3)$ and $(9x + 8)$.

*		

ANSWER:

Name:

pa1030: Box multiplication of linear binomials (v10)

Example

Use the box method to multiply $(6x + 3)$ and $(2x + 4)$.

*	6x	3
2x	$12x^2$	6x
4	24x	12

$12x^2 + 6x + 24x + 12$

Combine like terms.

$12x^2 + 30x + 12$

ANSWER: $12x^2 + 30x + 12$

Question 1

Use the box method to multiply $(4x + 2)$ and $(3x + 5)$.

*	4x	2
3x		
5		

ANSWER:

Question 2

Use the box method to multiply $(-8x + 7)$ and $(4x + 3)$.

*	$-8x$	7
$4x$		
3		

ANSWER:

Question 3

Use the box method to multiply $(6x + 8)$ and $(-7x - 4)$.

*		

ANSWER:

Name:

pa1030: Box multiplication of linear binomials (v11)

Example

Use the box method to multiply $(6x + 3)$ and $(2x + 4)$.

*	6x	3
2x	$12x^2$	6x
4	24x	12

$12x^2 + 6x + 24x + 12$

Combine like terms.

$12x^2 + 30x + 12$

ANSWER: $12x^2 + 30x + 12$

Question 1

Use the box method to multiply $(3x + 9)$ and $(2x + 7)$.

*	3x	9
2x		
7		

ANSWER:

Question 2

Use the box method to multiply $(-6x + 5)$ and $(7x + 8)$.

*	$-6x$	5
$7x$		
8		

ANSWER:

Question 3

Use the box method to multiply $(-3x - 2)$ and $(7x + 4)$.

*		

ANSWER:

Name:

pa1030: Box multiplication of linear binomials (v12)

Example

Use the box method to multiply $(6x + 3)$ and $(2x + 4)$.

*	6x	3
2x	$12x^2$	6x
4	24x	12

$12x^2 + 6x + 24x + 12$

Combine like terms.

$12x^2 + 30x + 12$

ANSWER: $12x^2 + 30x + 12$

Question 1

Use the box method to multiply $(3x + 9)$ and $(4x + 6)$.

*	3x	9
4x		
6		

ANSWER:

Question 2

Use the box method to multiply $(6x - 5)$ and $(3x - 4)$.

*	6x	−5
3x		
−4		

ANSWER:

Question 3

Use the box method to multiply $(-7x + 5)$ and $(-3x + 9)$.

*		

ANSWER: